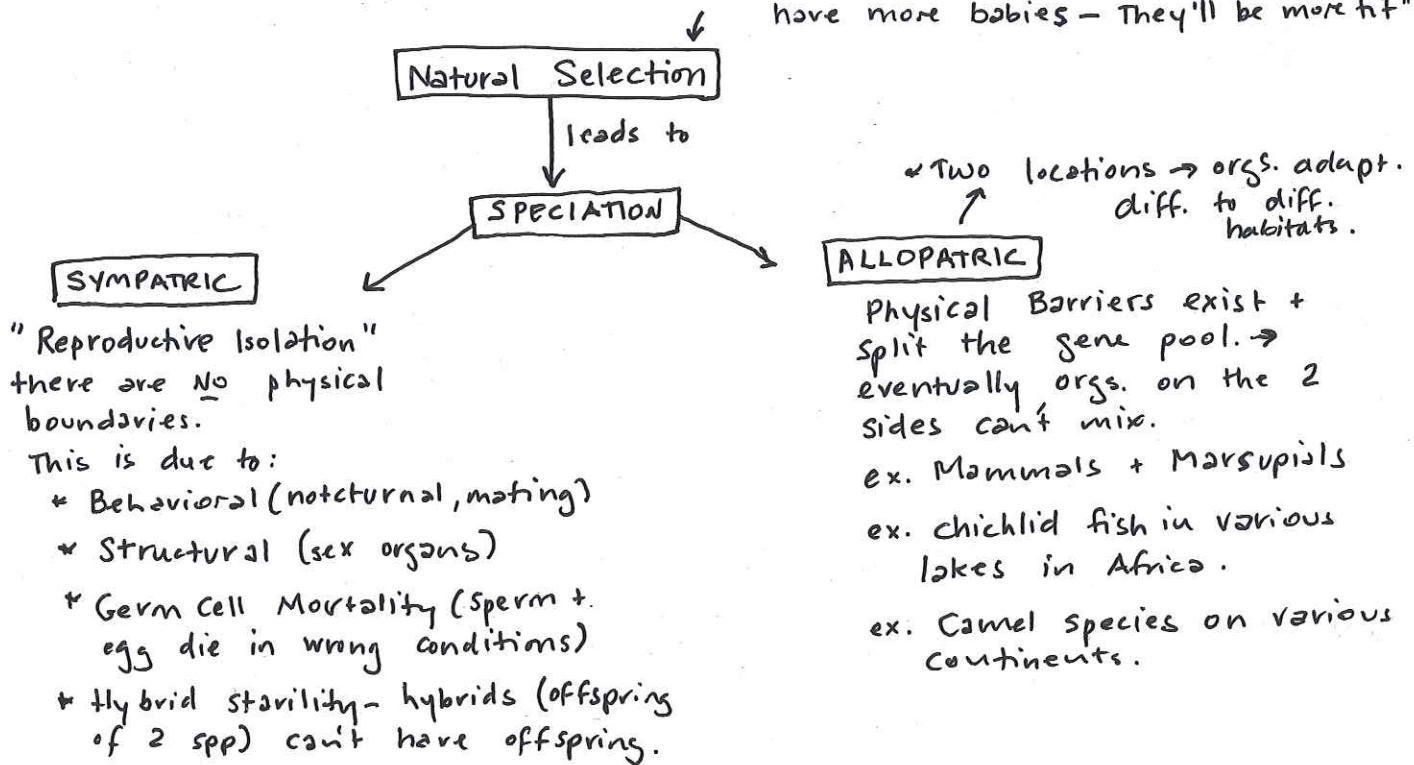


Biodiversity 2

4.1.2 Outline the mechanism of natural selection as a possible driving force for speciation

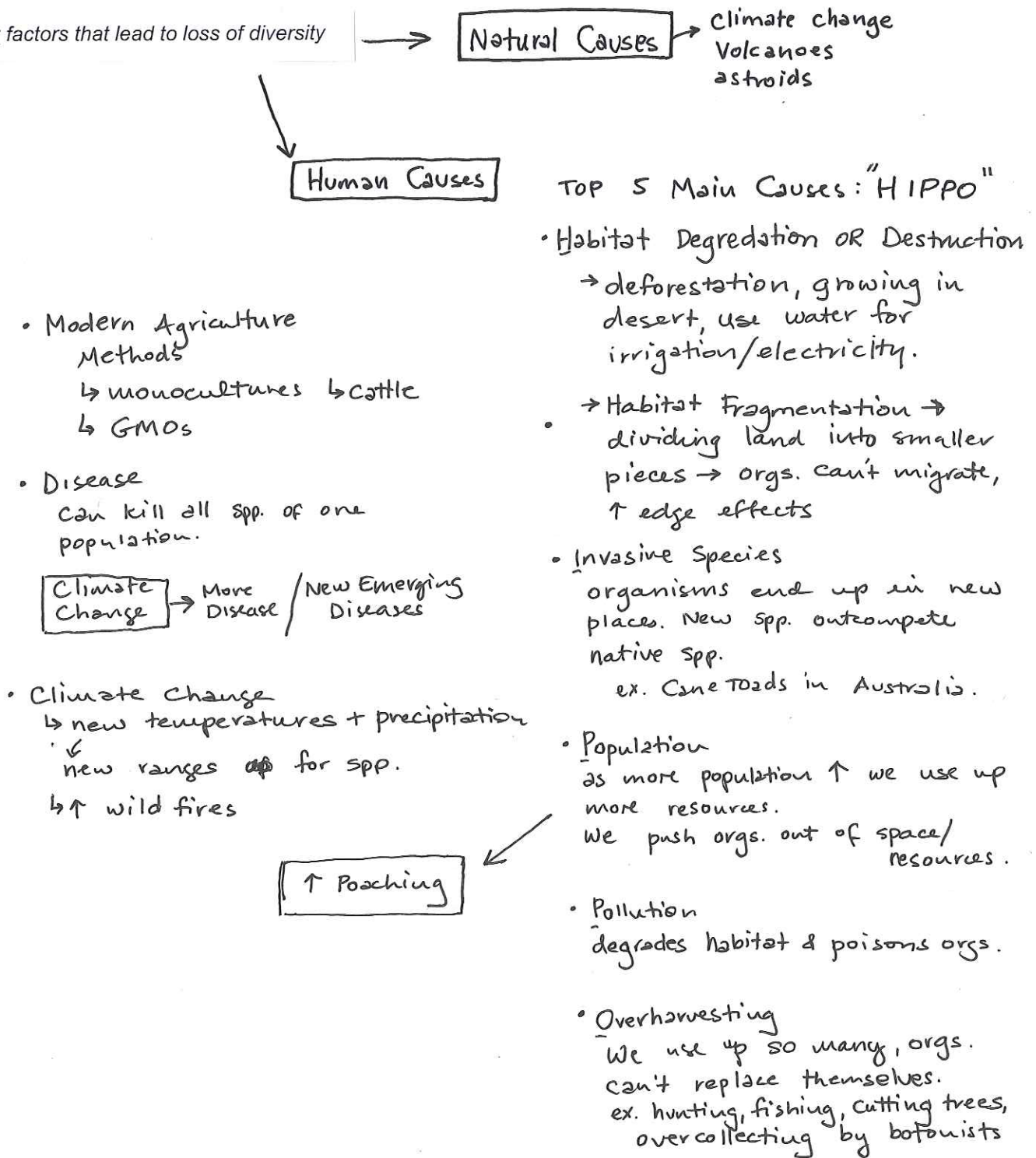
organisms that are more adapted to environment will survive better + "fit" have more babies - They'll be more "fit"



4.1.3 State that isolation can lead to different species being produced that are unable to interbreed to yield fertile offspring

See above → Allopatric Speciation.

4.2.1 Identify factors that lead to loss of diversity



4.2.4 Describe and explain the factors that may make species more or less prone to extinction

habitat ← **↑ Specialization**
food ← More specialized habitat + needs → More affected if something changes.
ex. frog that lives in the spray of one waterfall.

Distribution

orgs found only in one place they can easily be wiped out.
• High distribution → hard to wipe out.

TROPHIC LEVEL

higher you up the ↑ poss. of extinction.
↳ Because you rely on everyone below.

Live in areas where humans want to be

r vs. K Selected

↳ r organisms → think "roaches" → ↓ poss. of extinction
high #s, low trophic level, lots of babies, low regeneration time, small, often generalists.

↳ K organisms → think "King Kong" → ↑ poss. of extinction
low #s, high trophic level, few babies, high regeneration time, big, often specialists.

Numbers

If Lots of a species then there is ↓ possibility of extinction.

(r-selected have lots)

Behavior

If you can migrate than you can Run Away.

But seasonal migrants + orgs. that migrate to specific place need BOTH habitats to be in good shape.

Human Use

↳ they are yummy
↳ fur coats
↳ Ivory

Small variation in genes of the population